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PTO/SB/21 (08-00)

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	Conf. No.	4166	
	Filing Date	08/17/01	
	First Named Inventor	Rabinowitz	
	Group Art Unit	3662	
	Examiner Name	Phan, Dao Linda	
Total Number of Pages in This Submission	5	Attorney Docket Number	RSM003001

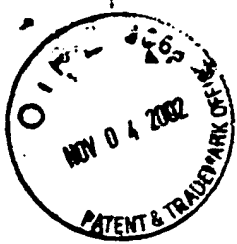
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IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant : Rabinowitz et.al.

Art Unit : 3662

Serial No. : 09/932,010

Examiner : Phan, Dao Linda

Filed : 8/17/2001

Title : Position Location using Terrestrial Digital Video Broadcast Television Signals

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PRELIMINARY AMENDMENT UNDER 37 CFR 1.115

Prior to examination, please amend this application as follows:

In the Specification:

Please replace paragraph 0099 with the following paragraph:

B. Sub
a.

[0099] Now the processing of the DTV channel signal by DSP 1714 is described for a coherent software receiver. A nominal offset frequency for the downconverted sampled signal is assumed. If this signal is downconverted to baseband, the nominal offset is 0Hz. The process generates the complete autocorrelation function based on samples of a signal $s(t)$. The process may be implemented far more efficiently for a low duty factor reference signal. Let T_i be the period of data sampled, ω_{in} be the nominal offset of the sampled incident signal, and let ω_{offset} be the largest possible offset frequency, due to Doppler shift and oscillator frequency drift. The process implements the pseudocode listed below.

- $R_{max} = 0$
 - Create a complex code signal
- $$s_{code}(t) = C_i(t) + jC_q(t)$$

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